

2011 Military Health System Conference

New Emerging Technology Clinical Trials Participation—Policy and Processes

Armed Forces Institute of Regenerative Medicine (AFIRM)

LTC Brian D. Moore, DVM, PhD

24 January 2011



US Army Medical Materiel
Command

Outline



- AFIRM Overview
- AFIRM sponsored Face & Hand Transplantation
- Other AFIRM Sponsored Clinical Trials
- Contact Information

Five Major

Programs



Wake Forest-Pittsburgh & Cedars-Sinai-Cleveland Clinic Consortium Regenerative Medicine Programs

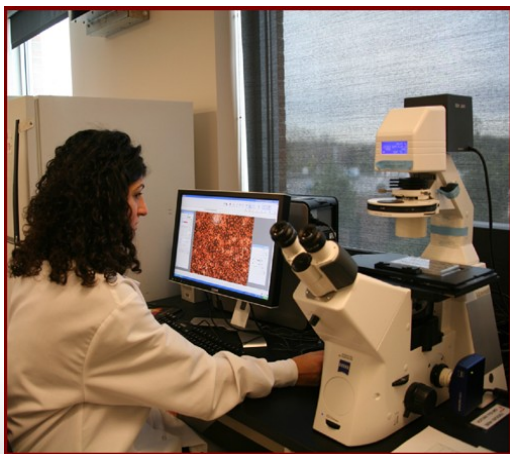
Craniofacial
Regeneration

Burn

Compartment
Syndrome

Limb and Digit
Regeneration

Scarless
Wound
Healing



Study Face and Hand Trauma



A

2011 MHS Conference



B

August 2010

AFIRM is investigating the use of anti-rejection technologies to minimize the life-long therapies now required for maintaining



C

FY 2010-2011 Clinical Trials



Injectables to Fill Facial Defects or Reduce Scarring

Before



Clinical trial uses patient's own fat and fat derived stem cells for filling in dents in the face or reduce burn scarring

After

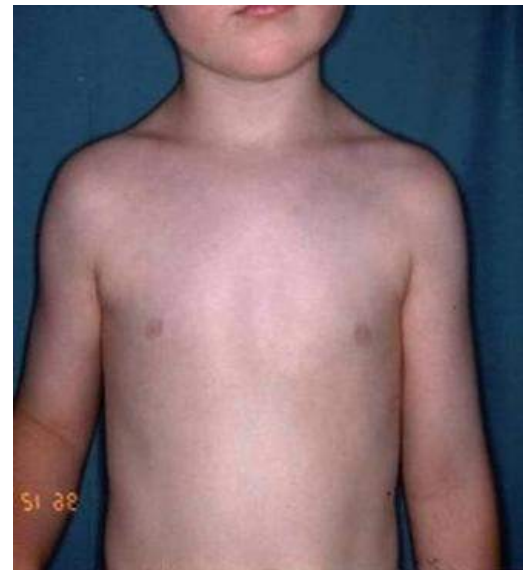


Trials

II Spraying to Reduce Burn Scaring & scar revis



ReCell
Avita Medical



Before



After

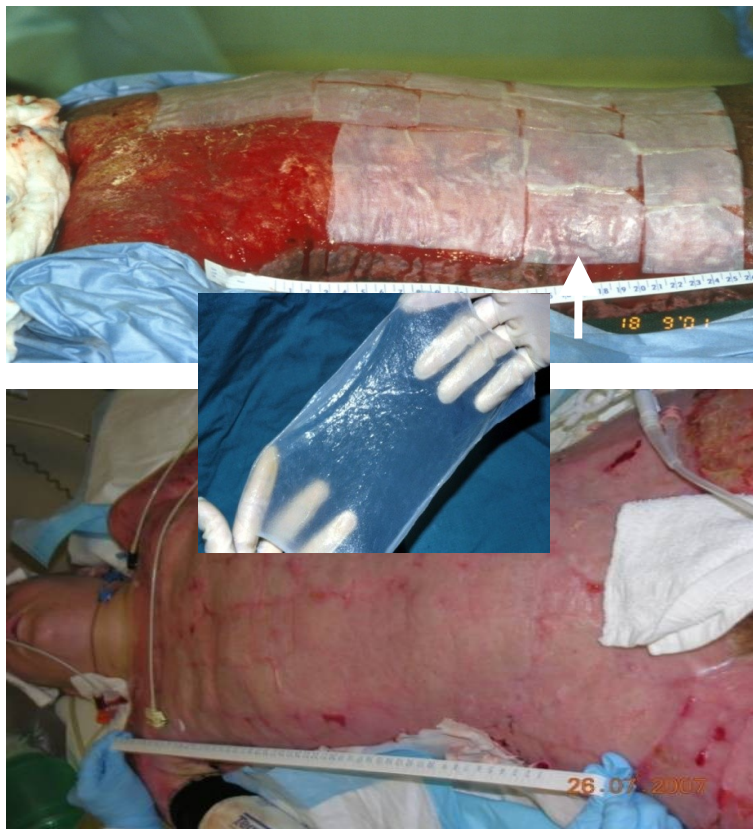


FY 2011 Clinical Trials



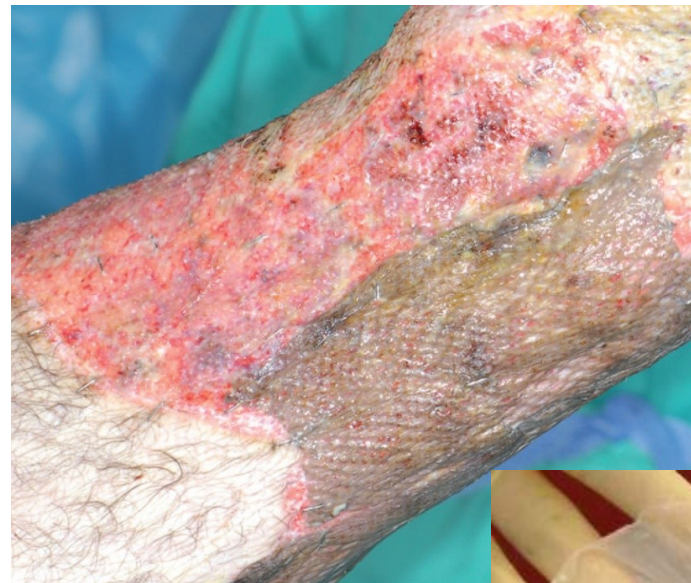
Engineered Skin

Autologous Engineered Skin



Lonza

Allogeneic Engineered Skin



Stratatech



FY 2010-2011 Clinical Trials



Tissue Regeneration



CT scan showing 10% increase in quadriceps mass (white arrow) at 4 months post surgery.

Additional Information



U.S. Army Medical Materiel Development Activity

**Mr. Terry Irgens, RPh, MS, CAAMA
Director**

Armed Forces Institute of Regenerative Medicine
USAMMDA

E-mail: terry.irgens@amedd.army.mil

<http://www.afirm.mil>

Thank You

